

FIGURE 1

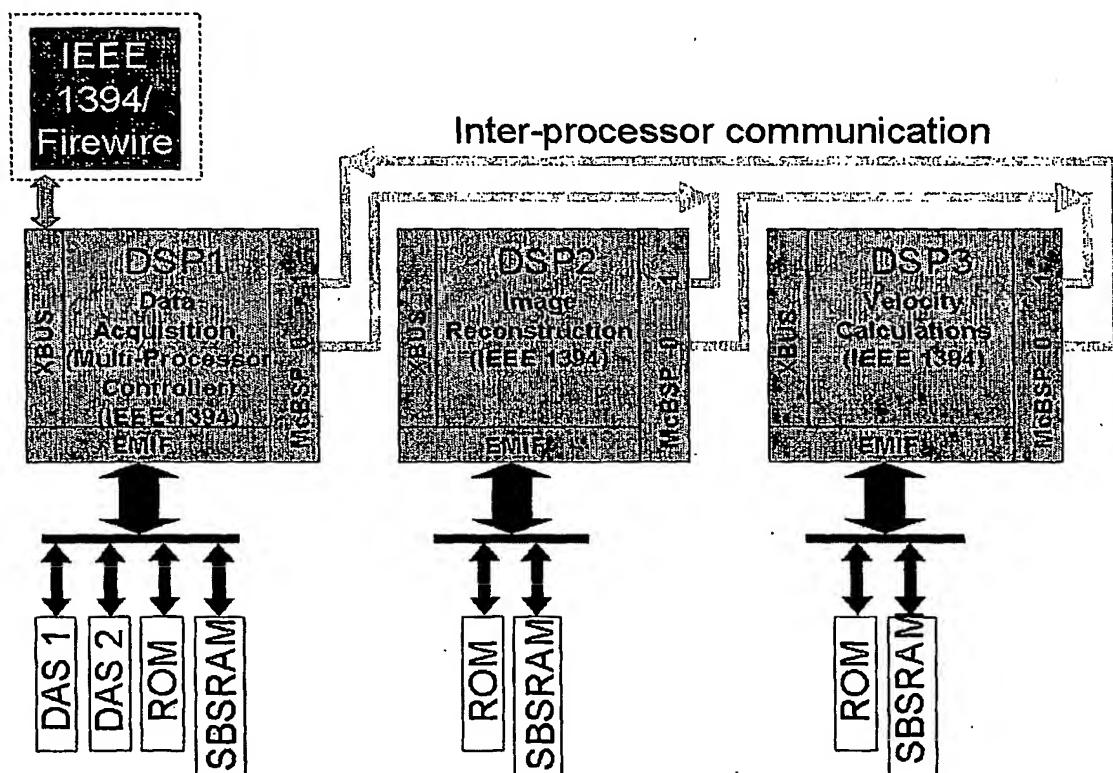


FIGURE 2

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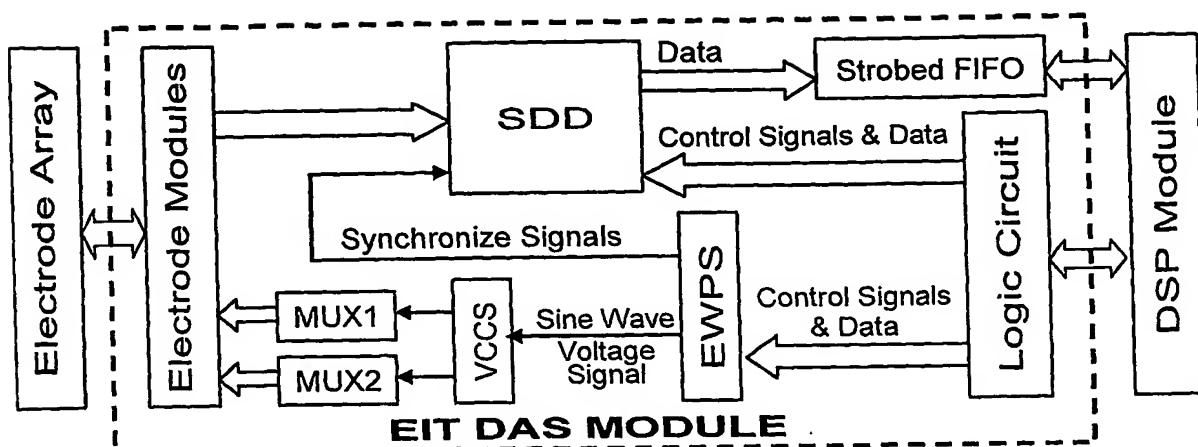
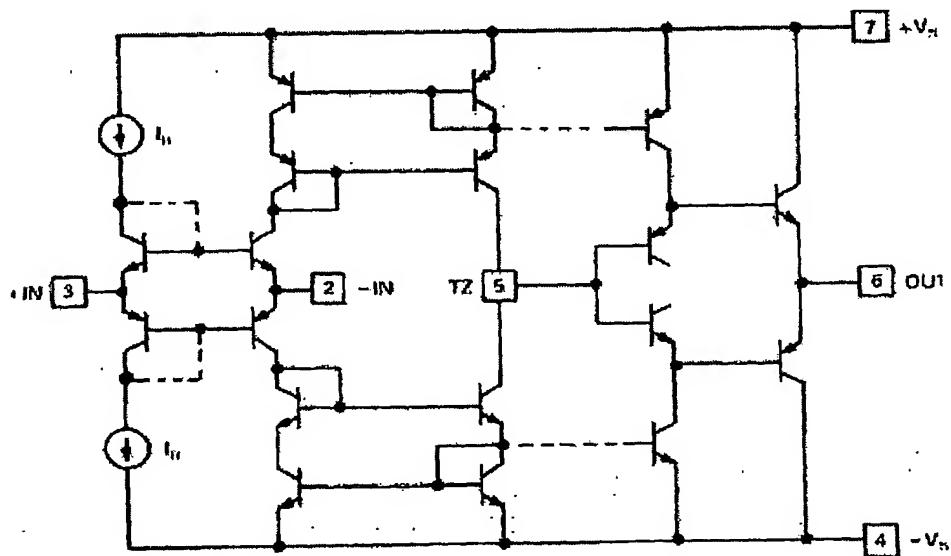
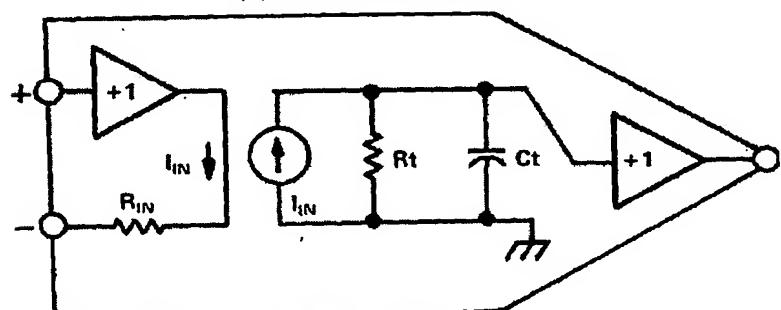


FIGURE 3



(a) Simplified Schematic



(b) Equivalent Schematic

FIGURE 4

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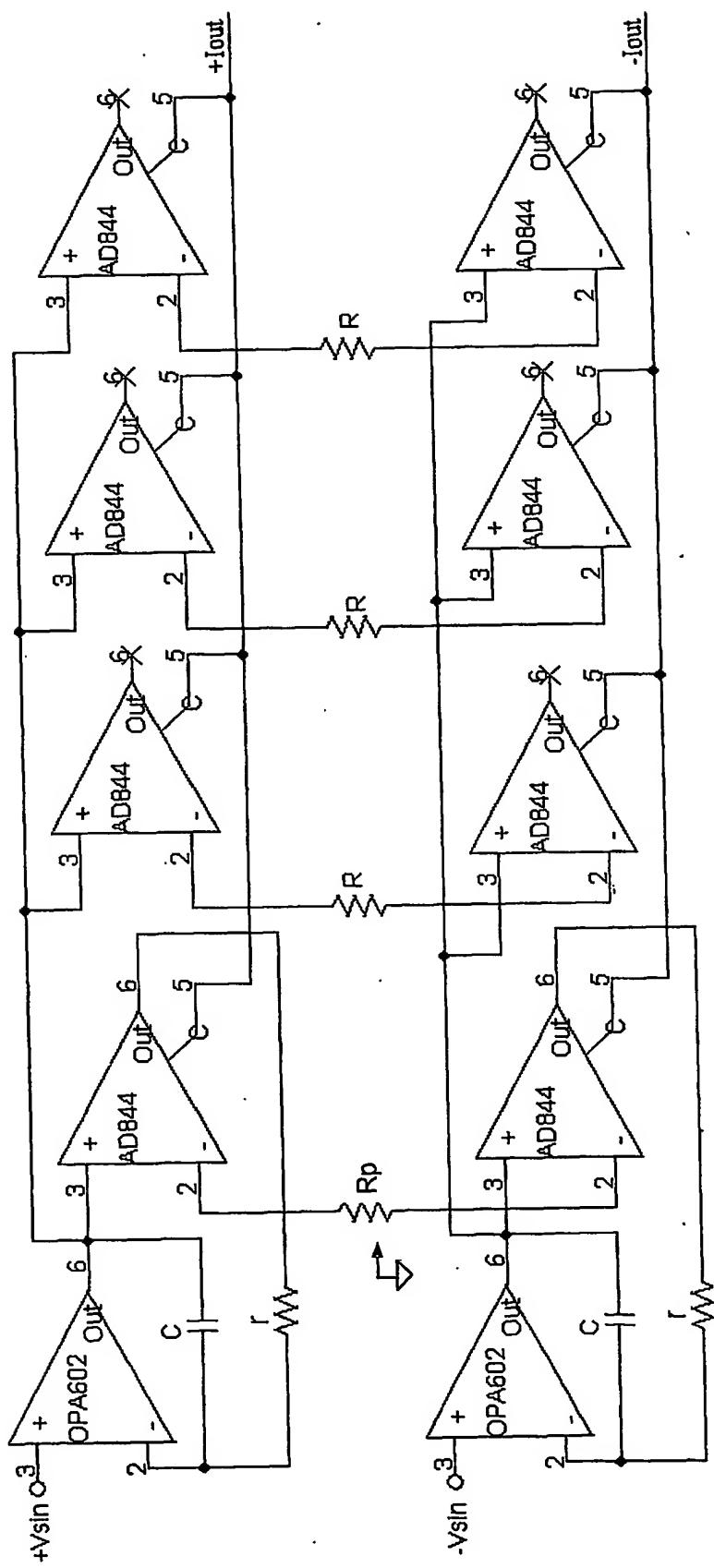


FIGURE 5

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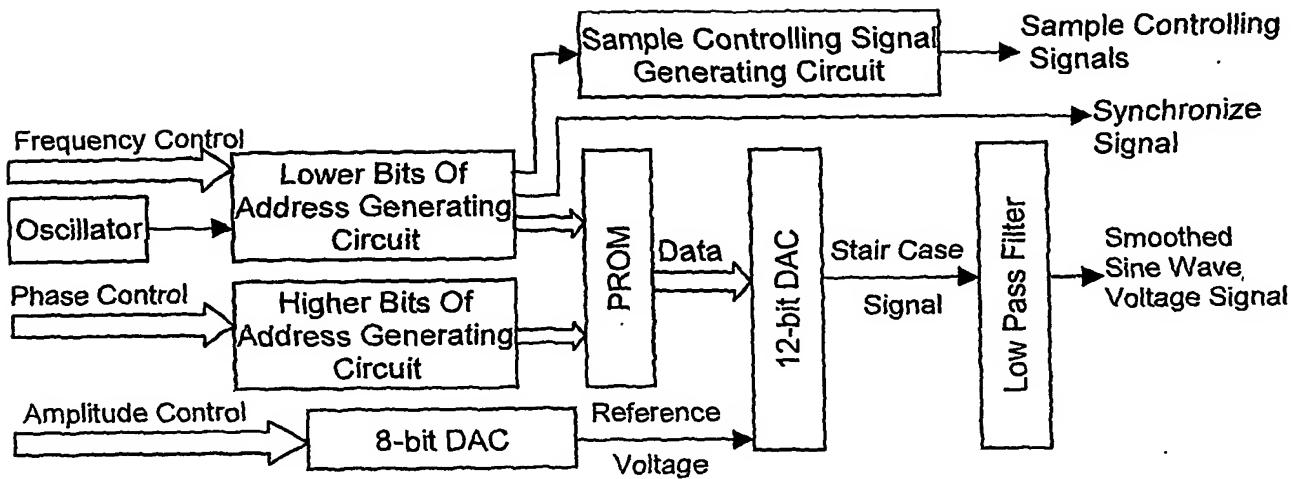


FIGURE 6

Equal width pulse sine-wave

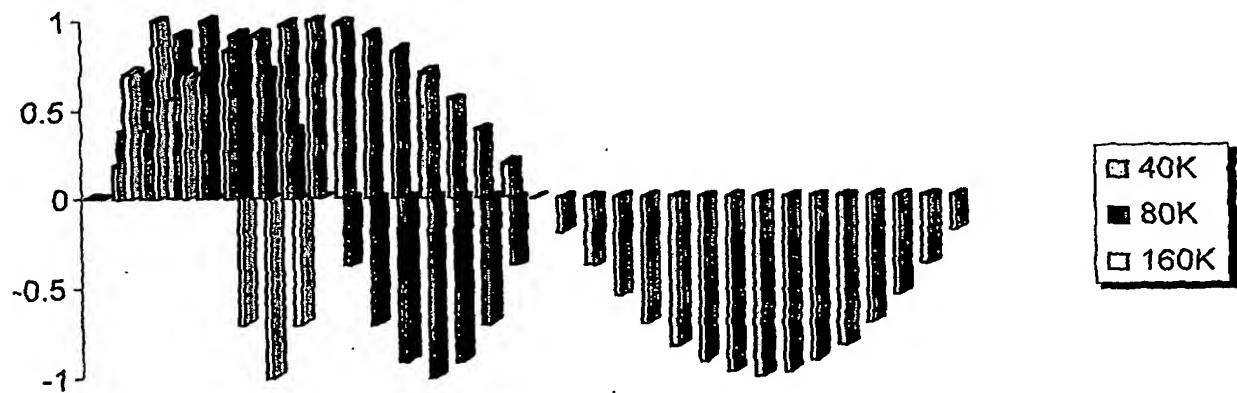


FIGURE 7

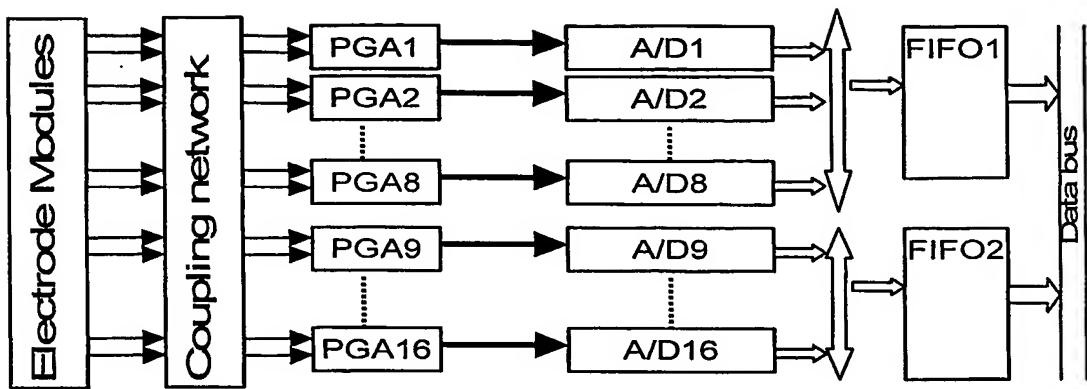


FIGURE 8

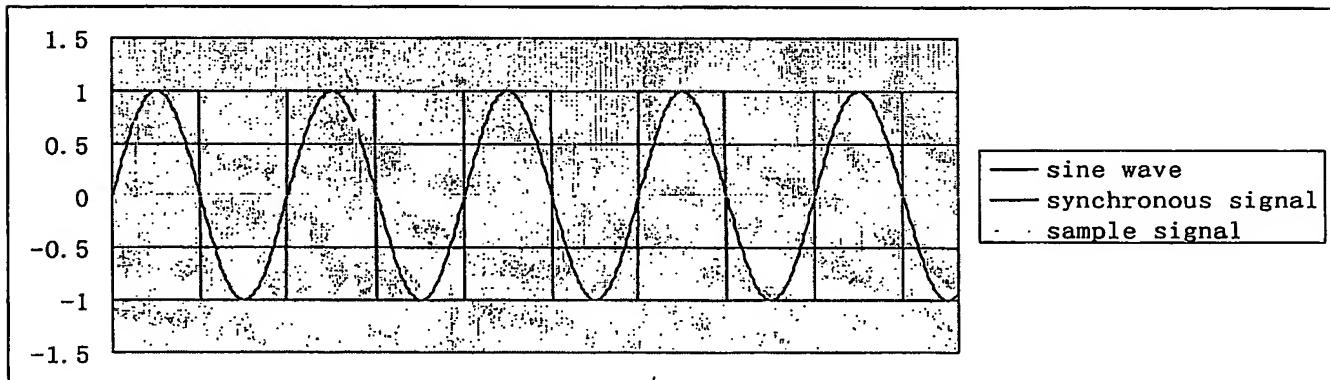
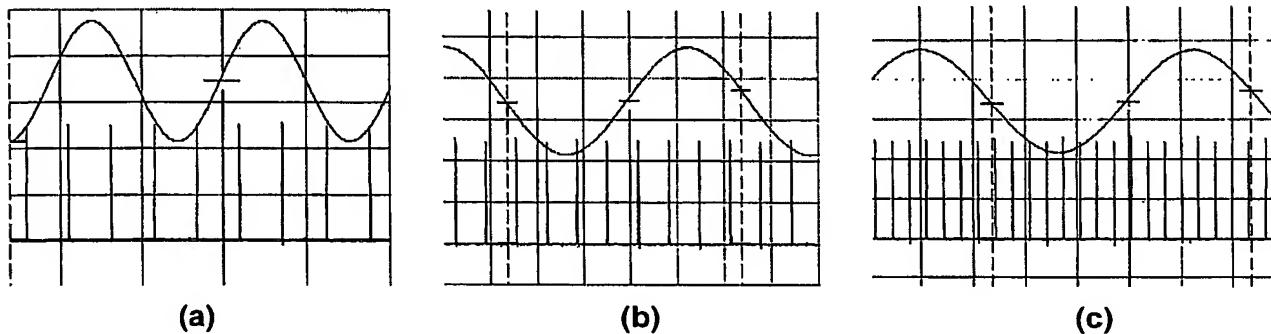
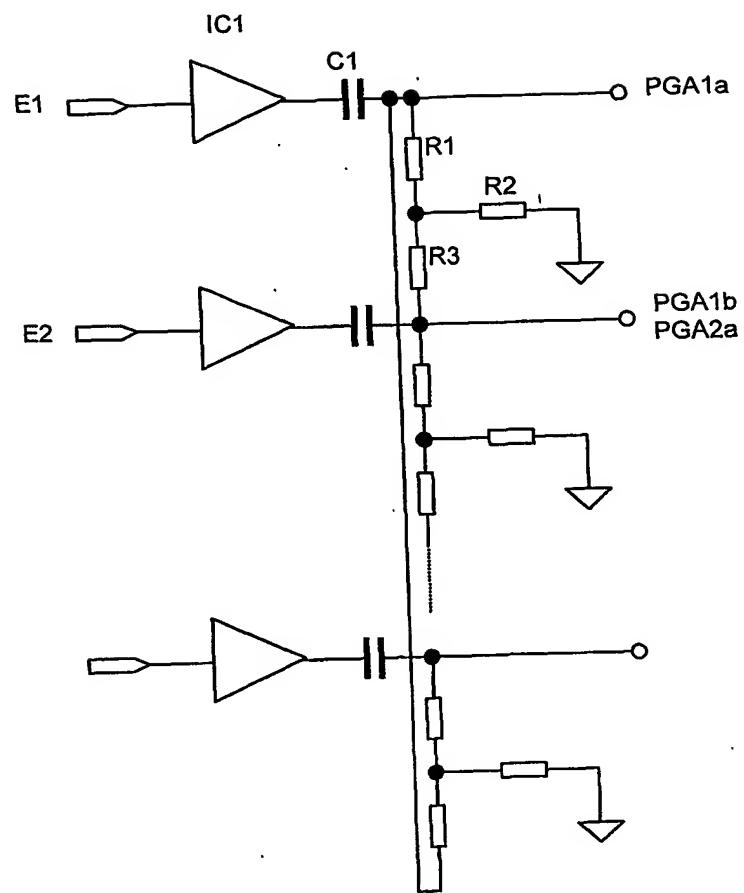


FIGURE 9

**FIGURE 10**

7/11

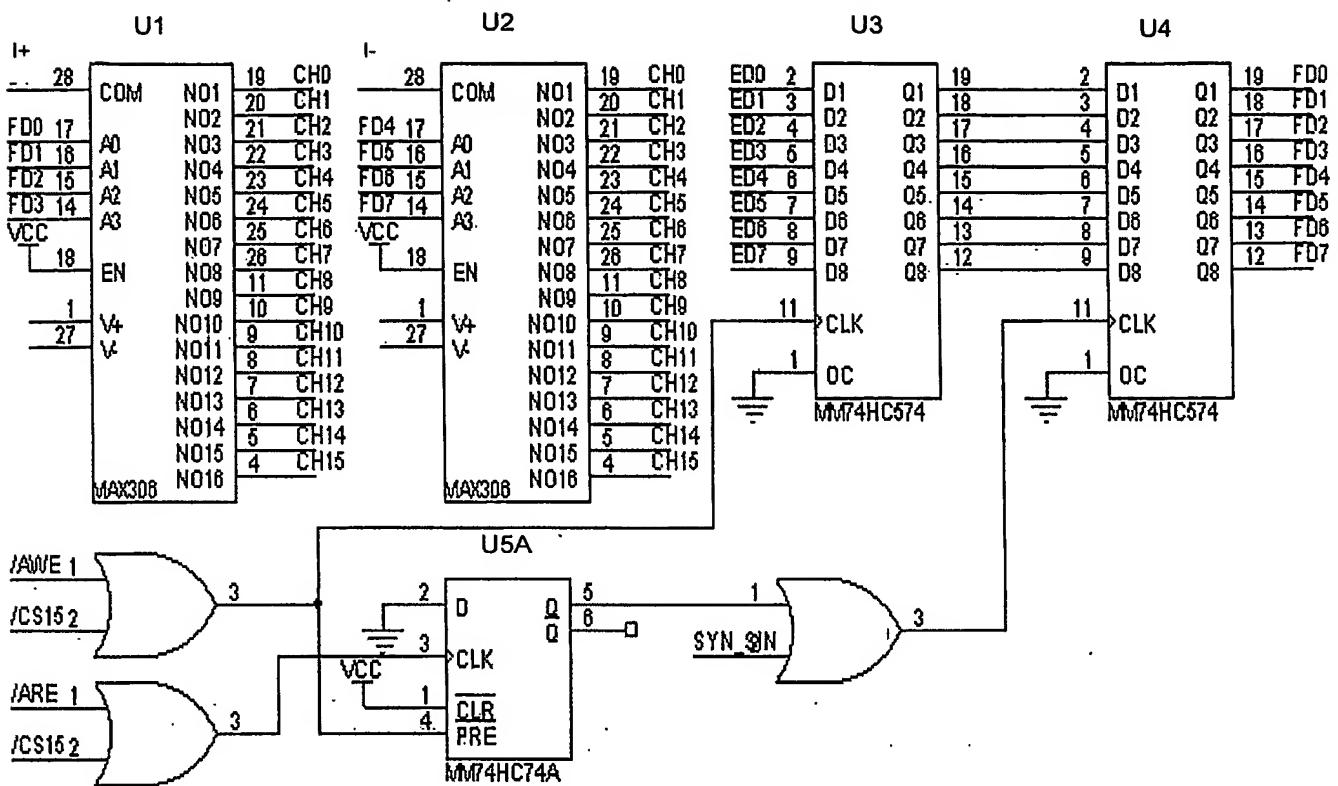


FIGURE 11

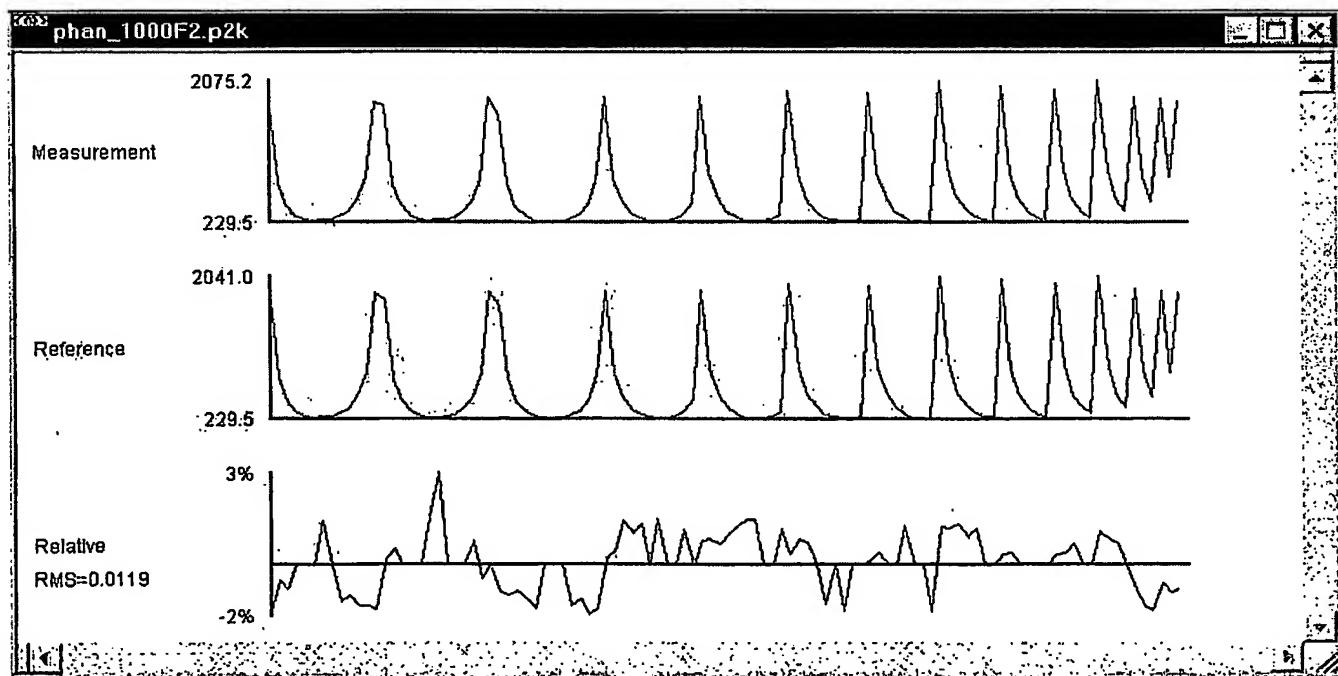


FIGURE 12

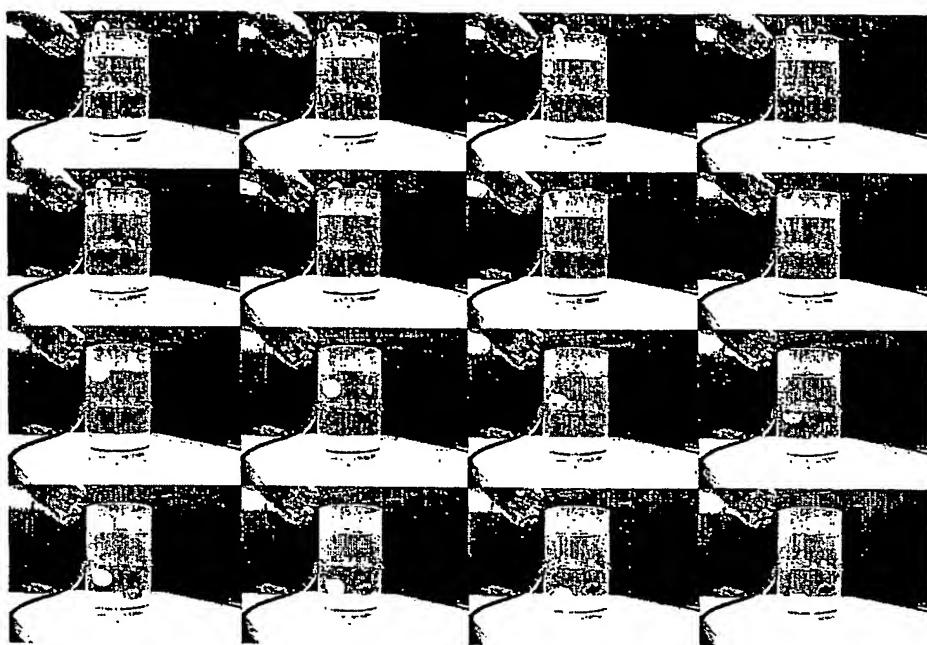


FIGURE 13



FIGURE 13b

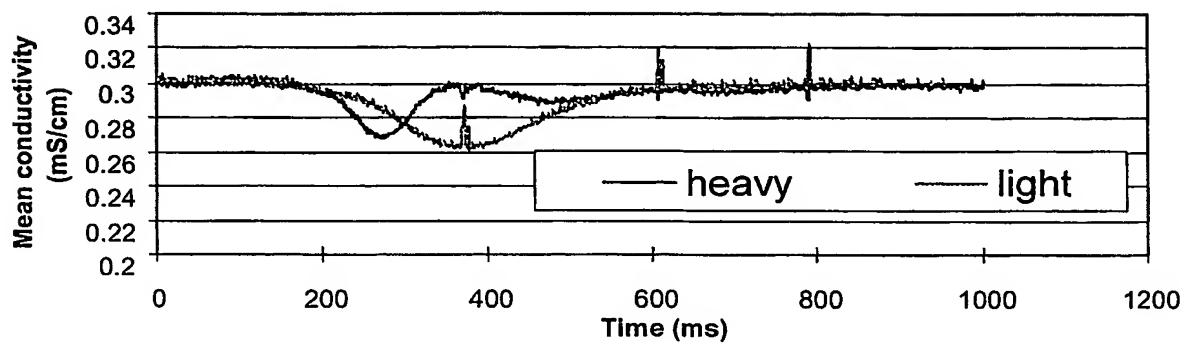
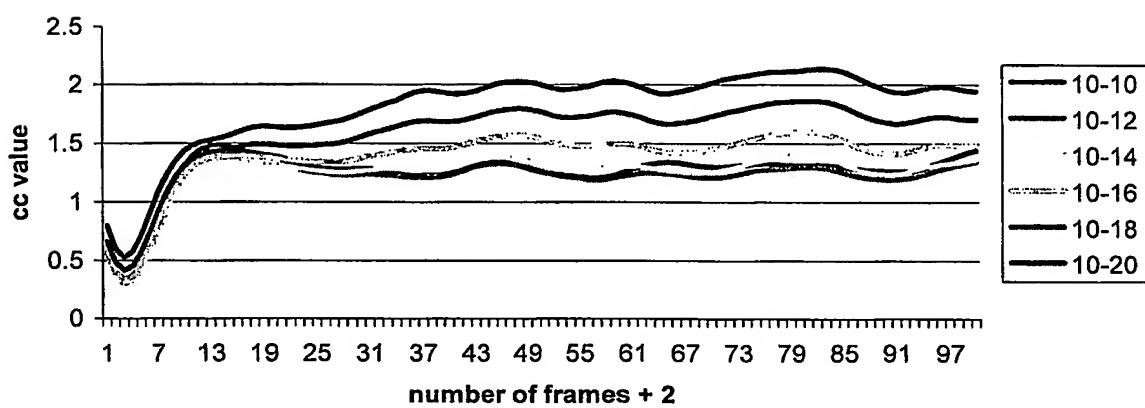


FIGURE 13c



FIGURE 13d

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**FIGURE 13e****cc curve - SH1**

(a) Data collected from an air-water flow (SH1) at $f=134.2$ fps, $d=5$ cm

FIGURE 14(a)

10/11

CC curve - m4

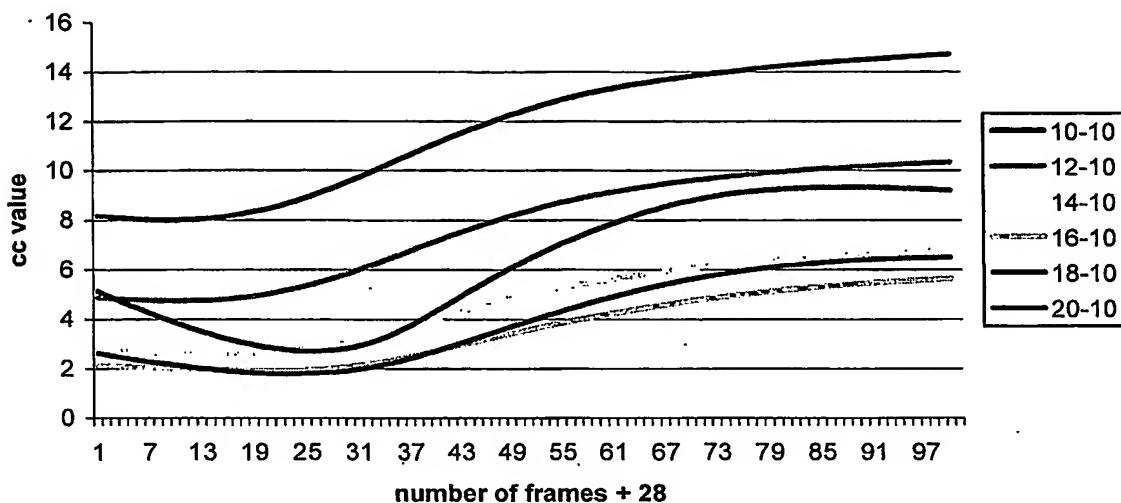
(b) Data collected from an oil-water flow (M4) at $f=914.3$ fps, $d=3$ cm.

FIGURE 14(b)

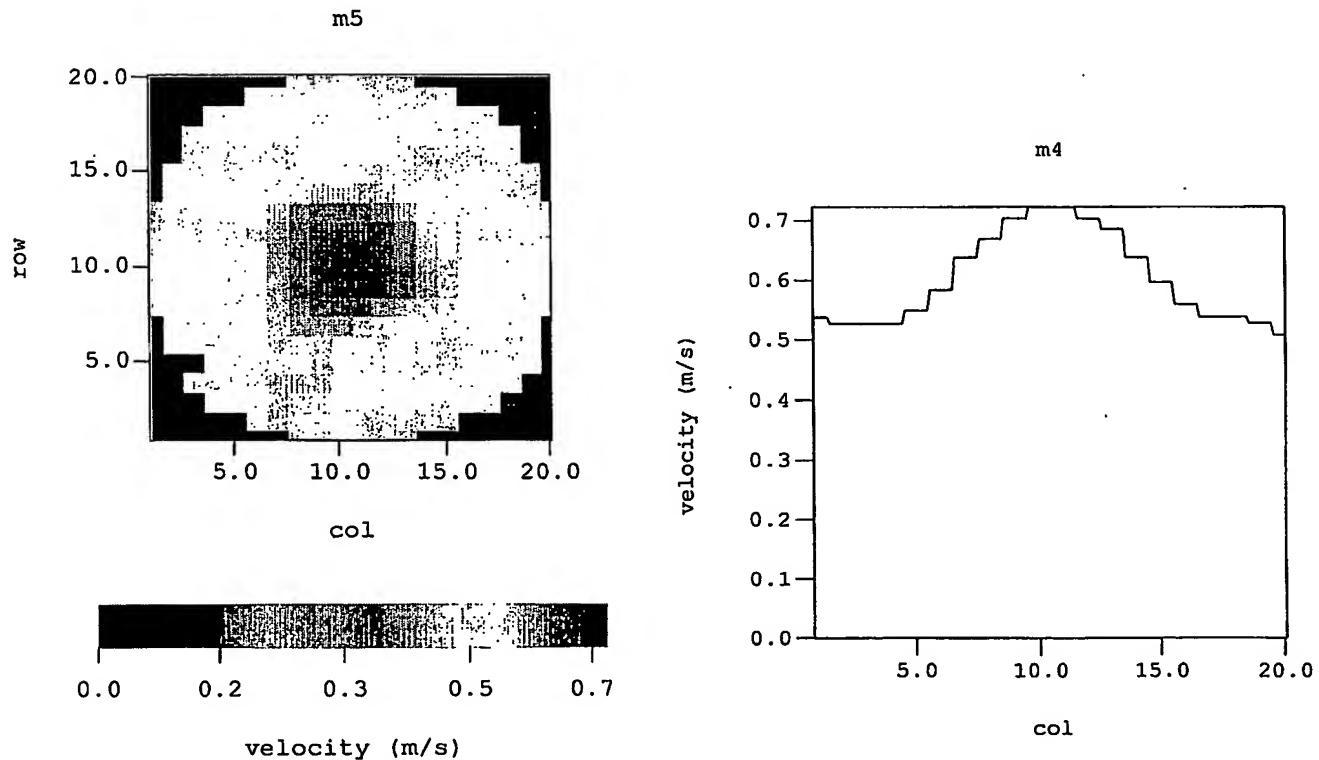
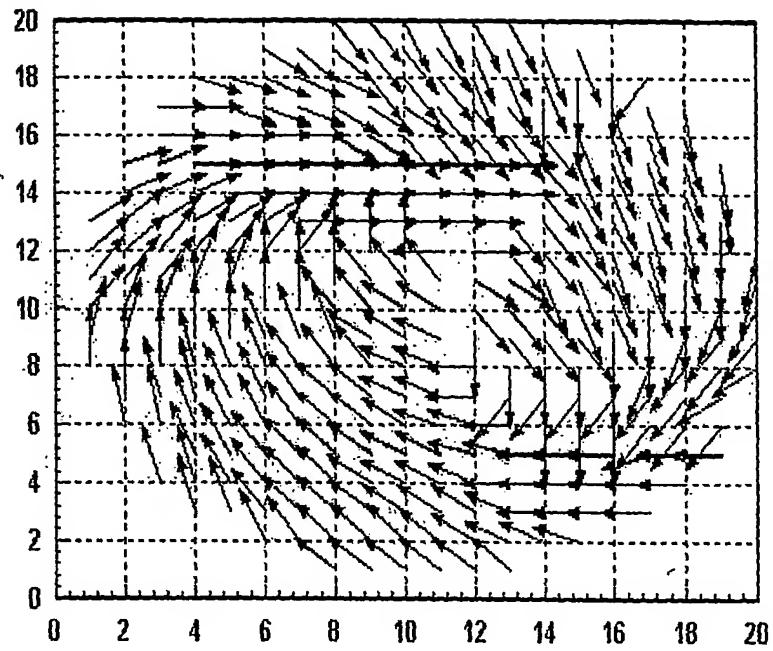
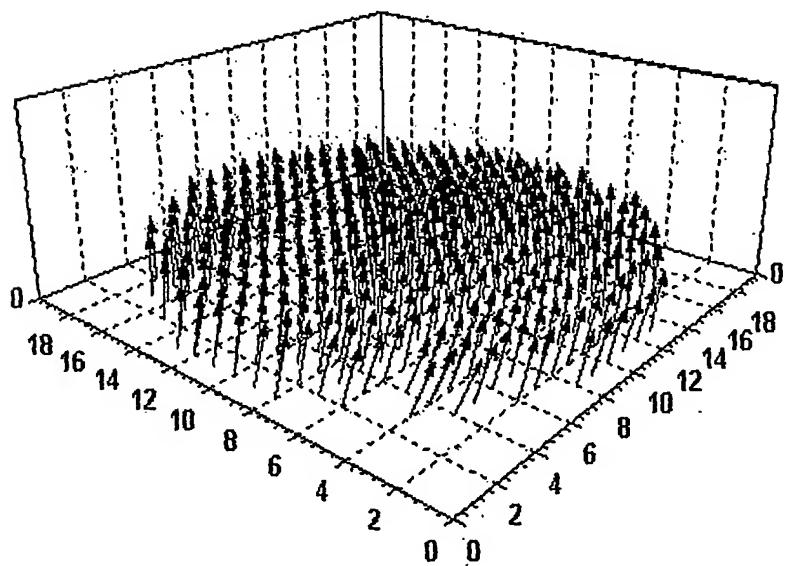


FIGURE 15



(a)



(b)

FIGURE 16

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